

Exhibit R-2, RDT&E Budget Item Justification									Date: Feb 00	
APPROPRIATION/BUDGET ACTIVITY : RDT&E,N/ 7					R-1 ITEM NOMENCLATURE ELECTRONIC WARFARE READINESS SUPPORT 0204575N					
COST (\$ in Millions)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	Cost to Complete	Total Cost
Z2263 Information Warfare	1.574	4.440	3.475	4.455	5.346	5.627	6.308	6.403	CONT.	CONT.
Z2462 Retract Barley	0	0	5.637	5.469	5.070	5.162	5.262	5.365	CONT.	CONT.
Total	1.574	4.440	9.112	9.924	10.416	10.789	11.570	11.768	CONT	CONT
A. Mission Description and Budget Item Justification : The Naval Information Warfare Activity (NIWA) serves as the Program Manager for the OFFENSIVE IW program. As such NIWA is tasked as the Navy’s principal technical agent to research, assess, develop and prototype Information Warfare (IW) capabilities. A key focus is providing tactical commanders with both an IW Mission Planning, Analysis, and Command and Control Targeting System (IMPACTS) tool and state-of-the-art Electronic Attack hardware and software. The program initiated the design of next generation tactical deception (TD) systems as well as designed the next generation psychological operations (PSYOP) system. This will continue through FY01. FY01 will initiate design to modify and incorporate second generation jammer to the USQ-146. This project will continue upgrades through out-years. Ongoing efforts are to identify and develop new IW tools.										
B. Program Change Summary: Special program adjustment is to fund a program held under higher classification.										
COST (\$ in Millions)	FY 98	FY 99	FY00	FY 01	FY 02	FY 03	FY 04	FY 05		
1/99 FY99 President’s Budget	1.574	3.716	9.162	9.316	4.903	5.555	8.041	8.414		
POM Adjustment				.717	1.577	1.797	2.416	2.258		
Revised Econ Assumptions		-0.009								
Special Program					4.059	3.567	1.272	1.269		
Various Rate Adjustments				-0.007	-0.010	-0.011	-0.016	-0.016		
Program Adjustments		0.750								
Across the board/Inflation Adj		-0.017	-0.050	-0.102	-0.113	-0.119	-0.143	-0.157		
9/99 Total Funding	1.574	4.440	9.112	9.924	10.416	10.789	11.570	11.768		
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Exhibit R-2a, RDT&E Project Justification									Date: Feb 00																																		
RDT&E,N BA-7			0204575N		INFORMATION WARFARE Z2263																																						
Cost (\$ in Millions)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	Cost to Complete	Total Cost																																	
Project Cost	1.574	4.440	3.475	4.453	5.347	5.629	6.312	6.408	CONT.	CONT.																																	
RDT&E Articles Qty	VAR	VAR	VAR	TBD	TBD	TBD	TBD	TBD	CONT.	CONT.																																	
<p>A. Mission Description and Budget Item Justification</p> <p>FY 1998 Accomplishments</p> <p>(0.274) IMPACTS Updates</p> <p>(0.300) PSYOP/Tactical Deception</p> <p>(1.000) Electronic Attack</p> <p>FY 1999 Accomplishments</p> <p>(1.601) IMPACTS Updates</p> <p>(1.161) PSYOP/Tactical Deception</p> <p>(1.678) Electronic Attack</p> <p>FY 2000 Plan</p> <p>(1.675) IMPACTS Updates</p> <p>(0.600) PSYOP/Tactical Deception</p> <p>(1.200) Electronic Attack</p> <p>FY 2001 Plan</p> <p>(2.108) IMPACTS Updates</p> <p>(0.600) PSYOP Tactical Deception</p> <p>(1.745) Electronic Attack</p>																																											
<p>B. Other Program Funding Summary</p> <table border="1"> <thead> <tr> <th></th> <th><u>FY98</u></th> <th><u>FY99</u></th> <th><u>FY00</u></th> <th><u>FY01</u></th> <th><u>FY02</u></th> <th><u>FY03</u></th> <th><u>FY04</u></th> <th><u>FY05</u></th> <th><u>ToTotal</u> <u>Complete</u></th> <th><u>Cost</u></th> </tr> </thead> <tbody> <tr> <td>OMN Line 4B7N</td> <td>1.694</td> <td>3.402</td> <td>1.832</td> <td>1.989</td> <td>2.341</td> <td>2.439</td> <td>2.535</td> <td>2.735</td> <td>CONT.</td> <td>CONT.</td> </tr> <tr> <td>OPN 23400/6</td> <td>3.639</td> <td>3.912</td> <td>4.098</td> <td>3.901</td> <td>2.549</td> <td>2.848</td> <td>3.353</td> <td>3.470</td> <td>CONT.</td> <td>CONT.</td> </tr> </tbody> </table>												<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>ToTotal</u> <u>Complete</u>	<u>Cost</u>	OMN Line 4B7N	1.694	3.402	1.832	1.989	2.341	2.439	2.535	2.735	CONT.	CONT.	OPN 23400/6	3.639	3.912	4.098	3.901	2.549	2.848	3.353	3.470	CONT.	CONT.
	<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>ToTotal</u> <u>Complete</u>	<u>Cost</u>																																	
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<p>C. Acquisition Strategy: This is a non-ACAT program.</p>																																											
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D. Schedule Profile: IMPACTS updates transitioned the deploying CV and ARG shipboard SI Storage systems from 24 Gbyte fixed disk storage to 105 Gbyte RAID configuration storage systems. Provide software (RFMP and CM+) in new, GCSS-3 operating system format and supports laboratory and shipboard tests of same. Initiated transition to PC based software in addition to current, UNIX based GUI. The software will be delivered in April 2000 as part of initial SPAWAR test of GCCS-M version 4.0.

PSYOP/Tactical Deception completed the Shipalt for the Transportable AM/FM Radio Broadcast System (TARBS) in support of FIWC PSYOP Operations. Field testing of the TARBS system and the purchase of spares kit has been completed. Tactical Deception as initiated modification of the NIWA/NRL software suite to provide visual evaluation of the impact of TD plans on an enemy's ability to detect ship movements.

Electronic Attack has initiated design of HF modification to AN/USQ-146 and changed the format to VME configuration. This is an ongoing process. In FY99 there was a procurement of three AN/USQ-146 units and associated spares. Also completed was four pre-grooms of ships with two of them forward deployed in the Korean theater. The Navy's Fallon air range has been updated to address integrated air defenses in an IW environment. The program has also provided carry-on ESM system for deploying battle groups.

Cost (\$ in Millions)	FY99	FY00	FY01	FY02	FY03	FY04	FY05
IMPACTS	1.601	1.675	2.108	2.797	3.029	3.412	3.508
PSYOPS/TD	1.161	0.600	0.600	0.900	0.900	1.100	1.100
Electronic Attack	1.678	1.200	1.745	1.650	1.700	1.800	1.800

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Exhibit R-3 Cost Analysis									Date: Feb 00			
RDT&E,N/7			Program Element: 0204575N						INFORMATION WARFARE/Z2263			
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY99 Cost	FY99 Award Date	FY00 Cost	FY00 Award Date	FY01 Cost	FY01 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	Var	Var	1.574	0.351	Var	0.250	Var	0.350	Var	Cont	Cont	
Held Under Higher Classification			0	2.333								
Subtotal Product Development			1.574	1.951	Var	0.250	Var	0.350	Var	Cont	Cont	
Development Support	Var	Var	0	.577	Var	2.019	Var	2.756	Var	Cont	Cont	
Software Development	CPFF	SAIC	0	0.965	1Q99	0.881	1Q00	0.952	1Q01	Cont	Cont	
Subtotal Support				1.542	Var	2.919	Var	3.756	Var	Cont	Cont	
Remarks												

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**Exhibit R-3, Project Cost Analysis**

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RDT&E,N/7			Program Element0204575N						INFORMATION WARFARE/Z2263			
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY99 Cost	FY99 Award Date	FY00 Cost	FY00 Award Date	FY01 Cost	FY01 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Var	Var	0	0.100	Var	0		0		0	0.100	
Subtotal T&E				0.100	Var						0.100	
Remarks												
AIS Support	Var	Var	0	0.114	Var	0	0	0	0	0.114	0.114	
Government Engineering Support	Var	Var	0	0		0.200	Var	0.245	Var	Cont	Cont	
Program Management Support	Var	Var	0	0		0.125	Var	0.150	Var	Cont	Cont	
Subtotal Management			0	0.114	Var	0.325	Var	0.395	Var	Cont	Cont	
Remarks												
Total Cost			1.574	4.440	Var	3.475	Var	4.453	Var	Cont	Cont	
Remarks												

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